FIG. 1

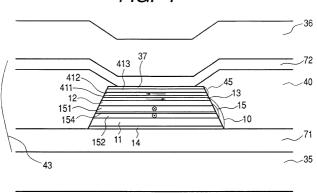
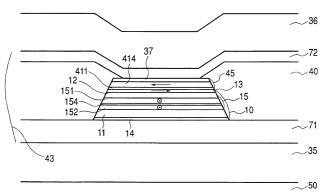


FIG. 2





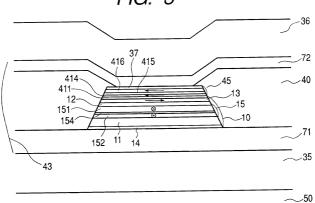
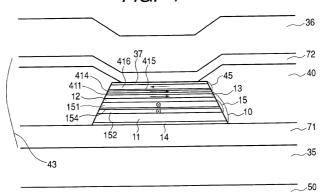


FIG. 4



POSITION MISFIT.

POSITION MISFIT.

FLUX
LEAKAGE POSITION
MISFIT

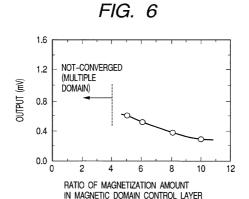


FIG. 7

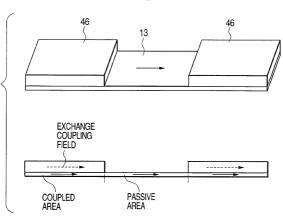
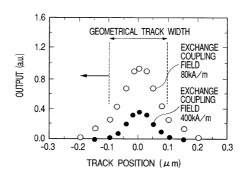


FIG. 8



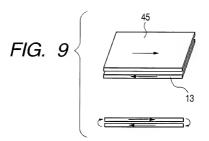


FIG. 10

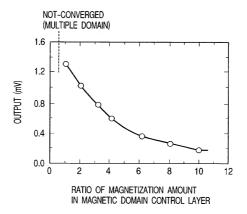


FIG. 11

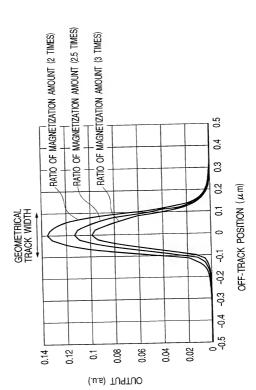
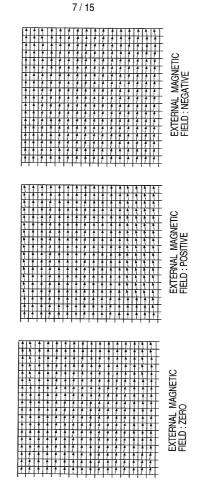
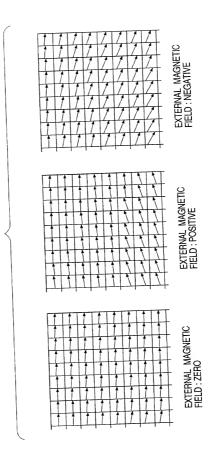


FIG. 12



Magnetization distribution In Hard-bias film

FIG. 13



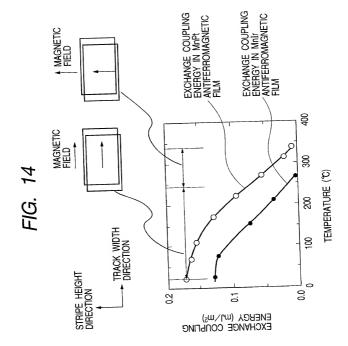


FIG. 15

FIG. 16

MAGNETIC FIELD (kA/m)

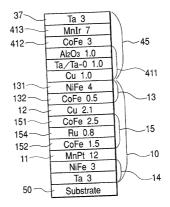


FIG. 17

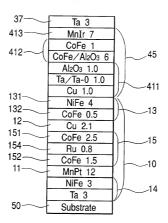


FIG. 18

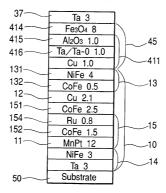


FIG. 19

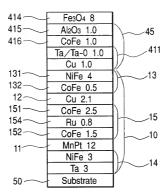
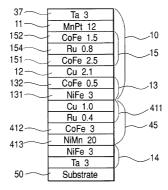
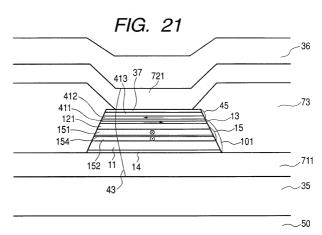


FIG. 20





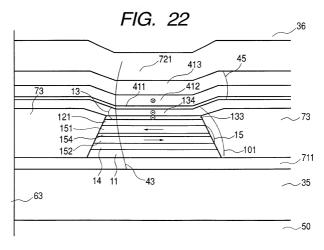


FIG. 23

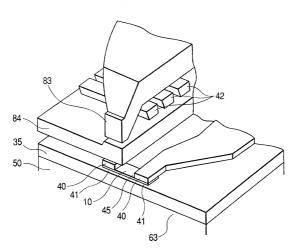


FIG. 24

